Smith and Fisher's Improvement 440

Metallic Corner Supports.

CLASSIFICATION DIVISION,
EXAMINER.
47

30 CARPENTRY
101172
Windows.
30 CARPENTRY
Sashes and Jamb.
296/30
30 CARPENTRY
Windows.

Original

PATENTED MAR 22 1870

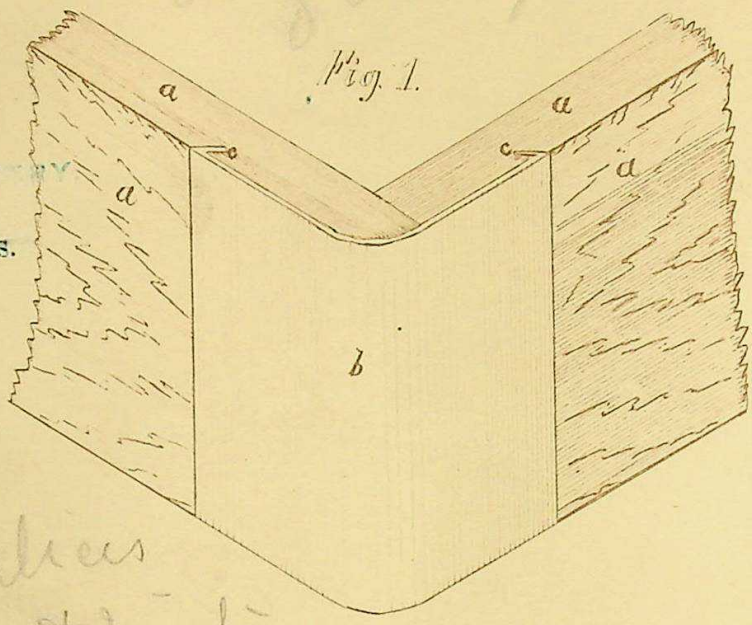


Fig. 1.

Splices & joints

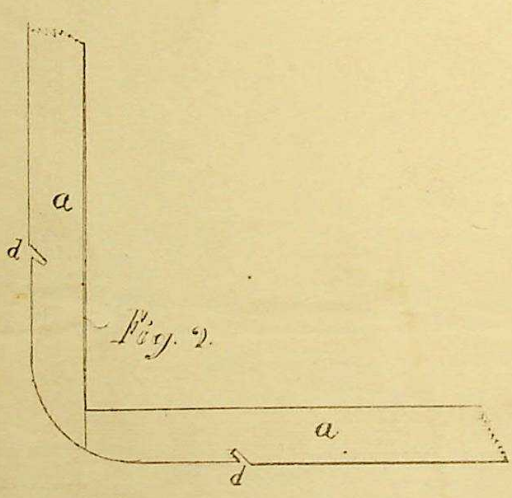


Fig. 2.

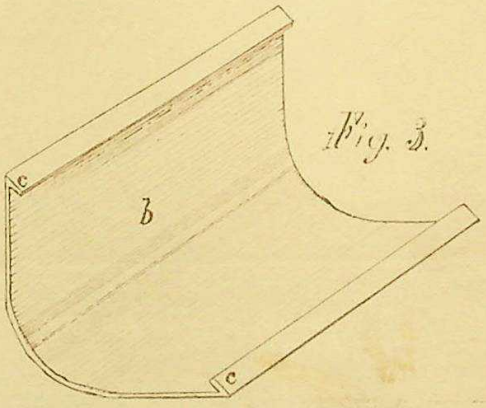


Fig. 3.

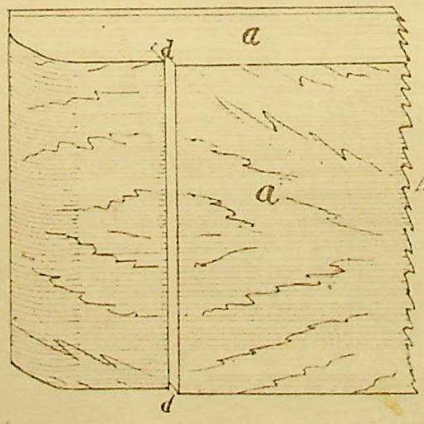


Fig. 4.

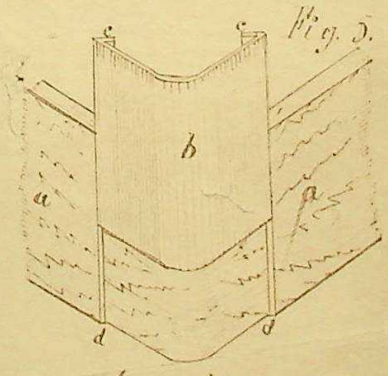


Fig. 5.

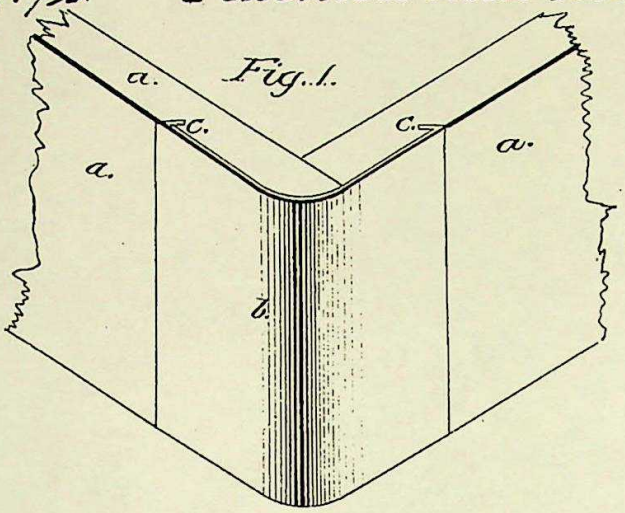
Witnesses:
Sanford L. Burem
N Boulton

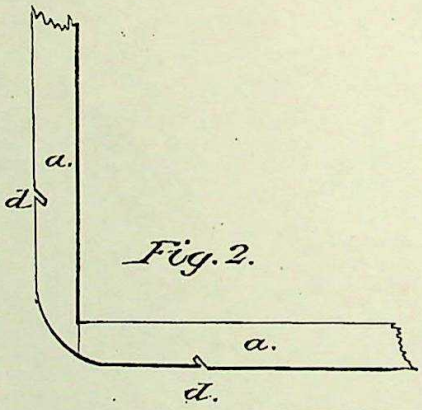
Inventors
Orson E Smith
Willet Fisher

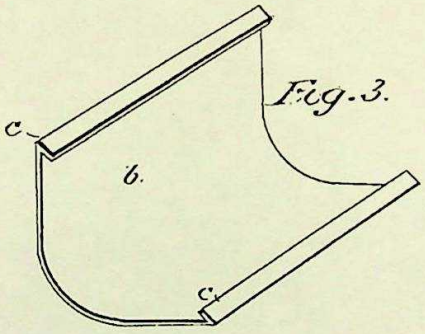
Smith & Fisher.

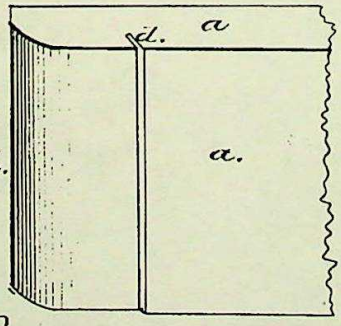
Metallic Corner Supports.

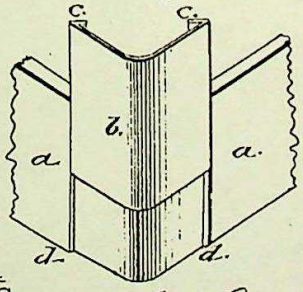
No. 101,172. Patented Mar. 22, 1870.











Witnesses:
Sanford L. Baum
N. Bouton

Inventors:
Orson C. Smith.
Willet Fisher.

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

United States Patent Office.

ORSON H. SMITH AND WILLET FISHER, OF MARATHON, NEW YORK

Letters Patent No. 101,172, *dated March* 22, 1870.

IMPROVEMENT IN METALLIC CORNER-SUPPORTS FOR CARRIAGE-BOXES AND SEATS.

The Schedule referred to in these Letters Patent and making part of the same

We, ORSON H. SMITH and WILLET FISHER, both of the town of Marathon, in the county of Cortland and State of New York, have invented a certain Improvement in Corner-Supports to Carriage-Boxes and Seats, and to all other boxes and vessels having corners, of which the following is a specification.

Our invention relates to the combination of metallic bands and miters, or diagonal apertures, in and to the corners of any box or other vessel, (and especially carriage-boxes and seats,) in such manner as to form a support to the same; the object of our invention being to form a support to the corners of carriage-boxes and seats, and boxes, trunks, drawers, and other vessels and structures with corners, without the aid of nails, screws, or bolts, and to render the said corner firm, and prevent the same from parting or spreading, either from shrinkage or use.

We will now proceed to describe our invention in such manner as to enable those skilled in the art to make and use the same, reference being had to the accompanying drawings forming a part of this specification, in which—

Figure 1 is a perspective view of our invention, showing the same applied to the corner of a box or other structure.

Figure 2 is a view of the corner of a box, showing the same with the miters or diagonal apertures cut and ready to receive the metallic band.

Figure 3 is a view of the metallic band used by us in connection with the miters or diagonal apertures shown in fig. 2.

Figure 4 is a part of a corner, showing the miters or diagonal apertures cut therein for the insertion of the bent edge of the said metallic band.

Figure 5 is a view of our invention in the process of being put together, showing the manner of doing the same.

a are the sides of a carriage or other box.

b is the metallic band used by us, (any kind of metal to be used.)

c are the turned corners thereof, bent sufficiently to form an acute angle.

d is a miter, or an aperture cut in the sides of the box in a diagonal direction, inclining in toward the corner of the box.

We claim the exclusive privilege of applying and using our invention upon and with all boxes and structures of every description, either with right-angled, round, or any other form of corners.

Thus it will be seen that, by cutting in the sides of boxes, as aforesaid, the miter or diagonal aperture *c*, and applying thereto the metallic band *b* with the bent edges *c*, in the manner shown in fig. 5, until it assumes the position shown in fig. 1, a perfect, reliable support to the corner is formed, in such manner as to prevent the same from spreading, parting, or separating, and likewise the corner is rendered more firm and durable.

Having thus described our invention,

What we claim as new, and desire to secure by Letters Patent, is—

The combination of the metallic band *b* with the turned corners *c*, and the miter or diagonal aperture *d* with the corners aforesaid, substantially as and for the purpose hereinbefore set forth.

Dated February 16, 1870.

ORSON H. SMITH.
WILLET FISHER.

Witnesses:
SANFORD L. BAUM,
N. BOUTON.